EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	494	548/311.1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 17:48
L2	130	l1 and (ocular or eye)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 17:52
L3	27	548/315.4 and (ocular or eye)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 17:52
L4	10	548/347.1 and (ocular or eye)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 17:53
L5	2	548/355.1 and (ocular or eye)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 17:54
L6	31	549/429 and (ocular or eye)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 17:55
L7	16	549/460 and (ocular or eye)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 17:55

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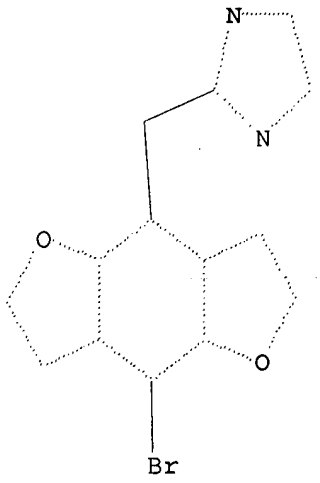
548/ 311.1 315.4 347.1 355.1

549/429 460



Structure attributes must be viewed using STN Express query preparation.

=> s l1 all
COMBINATION OF STRUCTURE AND TEXT TERMS NOT VALID
The query entered contains both search terms created by
structure-building or screen commands and text search terms. L#s
created via the STRUCTURE or SCREEN commands must be searched in the
structures files separately from text terms or profiles. The L#
answer sets from structure searches can be used in crossover searches
and can be combined with text terms.

=> s l1 full
FULL SEARCH INITIATED 10:20:01 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 290 TO ITERATE

100.0% PROCESSED 290 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

L2 2 SEA SSS FUL L1

=> fil caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION

FULL ESTIMATED COST 172.10 172.31

FILE 'CAPLUS' ENTERED AT 10:20:09 ON 04 JAN 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 4 Jan 2007 VOL 146 ISS 2
FILE LAST UPDATED: 3 Jan 2007 (20070103/ED)

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http://www.cas.org/infopolicy.html

=> s l2
L3   1 L2

=> d ibib abs hitstr 1

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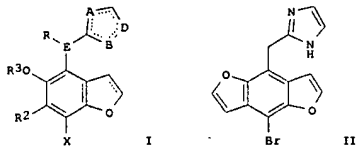
L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:511144 CAPLUS
DOCUMENT NUMBER: 139:85345
TITLE: Preparation of novel benzodifuranimidazolines and benzofuranimidazolines for the treatment of glaucoma
INVENTOR(S): Feng, Zixia; Hellberg, Mark R.
PATENT ASSIGNEE(S): Alcon, Inc., Switz.
SOURCE: PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003053436	A1	20030703	WO 2002-US39316	20021209
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR				
TW 593302	B	20040621	TW 2002-91134883	20021129
CA 2469904	A1	20030703	CA 2002-2469904	20021209
AU 2002353088	A1	20030709	AU 2002-353088	20021209
EP 1455780	A1	20040915	EP 2002-790063	20021209
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
BR 2002015172	A	20041019	BR 2002-15172	20021209
CN 1606441	A	20050413	CN 2002-825464	20021209
JP 2005513103	T	20050512	JP 2003-554193	20021209
ZA 2004004473	A	20050607	ZA 2004-4473	20040607
US 2006009503	A1	20060112	US 2005-525410	20050128
PRIORITY APPLN. INFO.:			US 2001-343378P P	20011220
			WO 2002-US39316 W	20021209

OTHER SOURCE(S): MARPAT 139:85345
GI

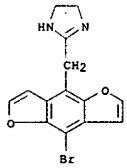
L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



AB The title compds. [I; A, B, D = N, C, with the proviso that at least one of A, B or D = N; E = C, N; R = H, alkyl; R2, R3 = H, alkyl, alkenyl; or R2 and R3 together can form 5-6 membered ring; X = H, halo, alkyl, CF3], useful for lowering intraocular pressure and providing ocular neuroprotection, were prepared E.g., a multi-step synthesis of II.HCl, starting with bis(2-hydroxyethyl)hydroquinone, was given. The compound II.HCl showed IC50 of 0.46 nM and 6.4 nM against 5-HT2 and 5-HT1A receptor binding, resp. The compound II.HCl showed EC50 of 110 nM against α2A receptor binding. The pharmaceutical compns. comprising compds. I were claimed.

IT 554402-13-0P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of novel benzodifuranimidazolines and benzofuranimidazolines for the treatment of glaucoma)

RN 554402-13-0 CAPLUS
CN 1H-Imidazole, 2-[(8-bromobenzo[1,2-b:4,5-b']difuran)methyl]-4,5-dihydro-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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G2:H,CF2,CF3,X,[*1],[*2],[*3],[*4]

G3:H,[*1],[*2],[*3],[*4]

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 20:CLASS 21:CLASS 22:CLASS
23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 34:CLASS
36:CLASS

L4 STRUCTURE UPLOADED

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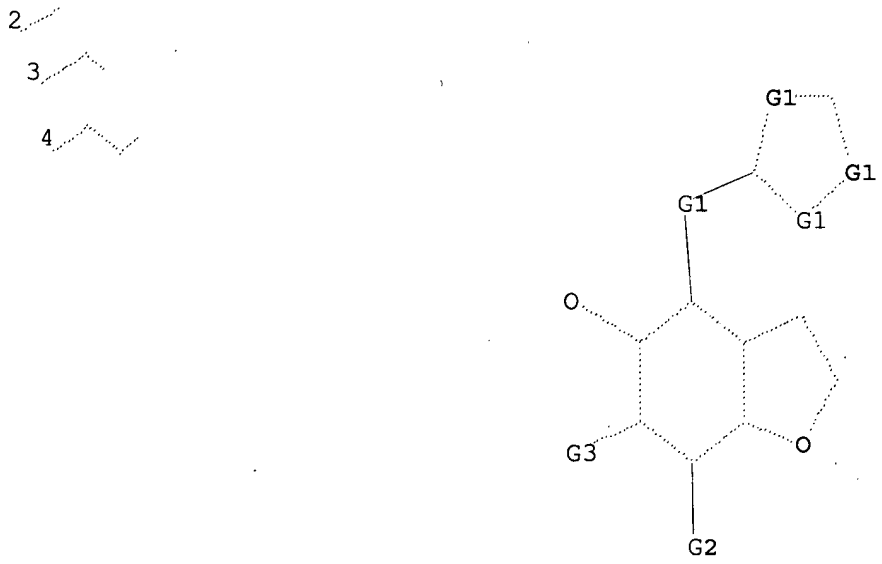
L4 HAS NO ANSWERS
L4 STR



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G2 H,CF2,CF3,X,[@1],[@2],[@3],[@4]
G3 H,[@1],[@2],[@3],[@4]

Structure attributes must be viewed using STN Express query preparation.

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FULL SEARCH INITIATED 10:28:36 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 184099 TO ITERATE

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100.0% PROCESSED 184099 ITERATIONS (1 INCOMPLETE) 9 ANSWERS
SEARCH TIME: 00.00.01

L5 9 SEA SSS FUL L4

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	172.10	350.15

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.78

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FILE COVERS 1907 - 4 Jan 2007 VOL 146 ISS 2
FILE LAST UPDATED: 3 Jan 2007 (20070103/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l5
L6 4 L5

=> d ibib abs hitstr 1-4

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L6 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:511144 CAPLUS
DOCUMENT NUMBER: 139:85345
TITLE: Preparation of novel benzodifuranimidazolines and benzofuranimidazolines for the treatment of glaucoma
INVENTOR(S): Feng, Zixia; Hellberg, Mark R.
PATENT ASSIGNEE(S): Alcon, Inc., Switz.
SOURCE: PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003053436	A1	20030703	WO 2002-US39316	20021209
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR				
TW 593302	B	20040621	TW 2002-91134883	20021129
CA 2469904	A1	20030703	CA 2002-2469904	20021209
AU 2002353088	A1	20030709	AU 2002-353088	20021209
EP 1455780	A1	20040915	EP 2002-790063	20021209
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
BR 2002015172	A	20041019	BR 2002-15172	20021209
CN 1606441	A	20050413	CN 2002-825464	20021209
JP 2005513103	T	20050512	JP 2003-554193	20021209
ZA 2004004473	A	20050607	ZA 2004-4473	20040607
US 2006009503	A1	20060112	US 2005-525410	20050128

PRIORITY APPLN. INFO.: US 2001-343378P P 20011220
WO 2002-US39316 W 20021209

OTHER SOURCE(S): MARPAT 139:85345
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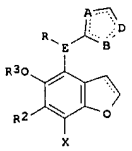
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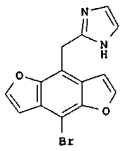
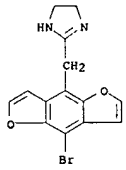

II

L6 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

AB The title compds. [I; A, B, D = N, C, with the proviso that at least one of A, B or D = N; E = C, N; R = H, alkyl; R2, R3 = H, alkyl, alkenyl; or R2 and R3 together can form 5-6 membered ring; X = H, halo, alkyl, CF3], useful for lowering intraocular pressure and providing ocular neuroprotection, were prepared E.g., a multi-step synthesis of II.HCl, starting with bis(2-hydroxyethyl)hydroquinone, was given. The compound II.HCl showed IC50 of 0.46 nM and 6.4 nM against 5-HT2 and 5-HT1A receptor binding, resp. The compound II.HCl showed EC50 of 110 nM against α2A receptor binding. The pharmaceutical compns. comprising compds. I were claimed.
IT 554402-13-0P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of novel benzodifuranimidazolines and benzofuranimidazolines for the treatment of glaucoma)
RN 554402-13-0 CAPLUS
CN 1H-Imidazole, 2-[(8-bromobenzo[1,2-b:4,5-b']difuran)methyl]-4,5-dihydro-, monohydrochloride (9CI) (CA INDEX NAME)



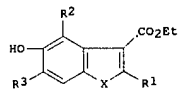
● HCl

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

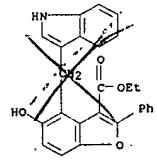
L6 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:848926 CAPLUS
DOCUMENT NUMBER: 136:119162
TITLE: Preparation and characterization of a new solvent-free polymer electrolyte based on spiroketal structure
AUTHOR(S): Tsutsumi, Hiromori; Shirotani, Rumiko; Onimura, Kenjiro; Oishi, Tsutomu
CORPORATE SOURCE: Department of Applied Chemistry and Chemical Engineering, Faculty of Engineering, Yamaguchi University, Yamaguchi, 755-8611, Japan
SOURCE: Electrochemical and Solid-State Letters (2001), 4(12), A195-A196
CODEN: ESLEF6; ISSN: 1099-0062
PUBLISHER: Electrochemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Solvent-free solid polymer electrolytes based on spiropolymers were prepared and their properties were confirmed by conductance, differential scanning calorimetry, and X-ray diffraction measurements. The spiropolymer was synthesized from the bicyclic diketone and pentaerythritol. The spiro-polyketal (SP) dissolves lithium perchlorate and the conductivity of the (SP)1.5(LiClO4)1 complex is 4.24 + 10-5 S cm-1 at 30° and 3.83 + 10-4 S cm-1 at 60°.
IT 391671-11-7P
RL: POF (Polymer in formulation); PRP (Properties); SPN (Synthetic preparation); PREP (Preparation); USES (Uses)
(preparation and characterization of a new solvent-free polymer electrolyte based on spiroketal structure)
RN 391671-11-7 CAPLUS
CN Poly(3''a,6''a-diethyltetrahydrodispiro[1,3-dioxane-5,5'-[1,3]dioxane-2',2''(1''H)-pentalene]-2,5''(3''H)-diylidene) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:796779 CAPLUS
DOCUMENT NUMBER: 124:29656
TITLE: Synthesis and some pharmacological properties of indole and benzofuran derivatives containing an imidazole pharmacophore
AUTHOR(S): Zotova, S. A.; Shvedov, V. I.
CORPORATE SOURCE: TsKhLS, VNIKhFI, Moscow, Russia
SOURCE: Khimiko-Farmatsevticheskii Zhurnal (1994), 28(2), 22-4
CODEN: KHFZAN; ISSN: 0023-1134
PUBLISHER: Meditsina
DOCUMENT TYPE: Journal
LANGUAGE: Russian
GI


I

AB Title compds. I (X = NMe, O; R1 = Me, Ph, CH2OPh, CH2SPh; R2 = imidazol-1-ylmethyl, Cl, H, CH2NMe2, indol-3-ylmethyl, CH2SCH2CONHPh; R3 = H, Br, imidazol-1-ylmethyl, CH2NMe2) were prepared by alkylation of imidazole with Mannich bases or by its reaction with bromoalkyl derivs. The synthesized compds. showed weak antimicrobial and anesthetic activity.
IT 171506-83-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and pharmacol. activity of)
RN 171506-83-5 CAPLUS
CN 3-Benzofurancarboxylic acid, 5-hydroxy-4-(1H-indol-3-ylmethyl)-2-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



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L6 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:543579 CAPLUS
DOCUMENT NUMBER: 122:314550
TITLE: Preparation of (imidazolylalkyl)benzofurans and analogs as TXA2 synthetase and 5-lipoxygenase inhibitors and oxygen scavengers
INVENTOR(S): Ohuchida, Shuichi; Nambu, Fumio; Toda, Masaaki
PATENT ASSIGNEE(S): Ono Pharmaceutical Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 151 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 640609	A1	19950301	EP 1994-306175	19940822
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
CA 2117551	A1	19950225	CA 1994-2117551	19940823
JP 07112980	A	19950502	JP 1994-221003	19940823
US 5534536	A	19960709	US 1994-294015	19940823
TW 403743	B	20000901	TW 1994-83107705	19940823
CN 1110969	A	19951101	CN 1994-117330	19940824
KR 192134	B1	19990615	KR 1994-20872	19940824
US 5750544	A	19980512	US 1996-635318	19960419
PRIORITY APPLN. INFO.:			JP 1993-231004 A	19930824
			US 1994-294015 A3	19940823

OTHER SOURCE(S): MARPAT 122:314550
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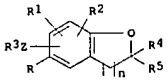

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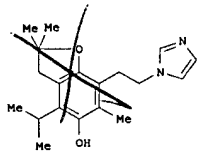
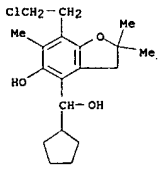


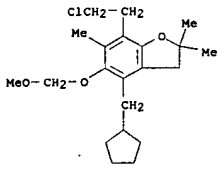
II

AB Title compds. [I; R = OH, alkoxy, OBz, (di)(alkyl)amino, etc.; R1,R2 = H, halo, (cyclo)alkyl, alkoxy, etc.; R3 = 1 or 2 N-containing heterocyclyl; R4,R5 = H, (phenyl)alkyl; CR4R5 = cycloalkyl; Z = alk(en)ylene, alkyleneoxy, (CH2)1-6O2l; Z1 = 1,4-phenylene; n = 1-3] were prepared Thus, title compound II.HCl, prepared in 14 steps from 3-isopropyl-5-methylphenol, gave 74 and 92% inhibition of LTB4 and TXB2 production in whole human blood at 10μM in

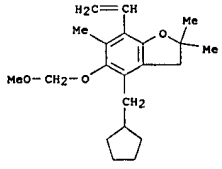
L6 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



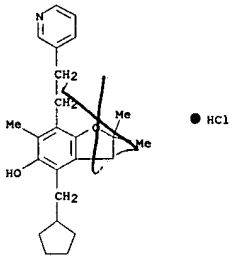
RN 162963-71-5 CAPLUS
CN Benzofuran, 7-(2-chloroethyl)-4-(cyclopentylmethyl)-2,3-dihydro-5-(methoxymethoxy)-2,2,6-trimethyl- (9CI) (CA INDEX NAME)



RN 162963-72-6 CAPLUS
CN Benzofuran, 4-(cyclopentylmethyl)-7-ethenyl-2,3-dihydro-5-(methoxymethoxy)-2,2,6-trimethyl- (9CI) (CA INDEX NAME)



L6 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
vitro.
IT 162962-70-1P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of (imidazolylalkyl)benzofurans and analogs as TXA2 synthetase and 5-lipoxygenase inhibitors and oxygen scavengers)
RN 162962-70-1 CAPLUS
CN 5-Benzofuranol, 4-(cyclopentylmethyl)-2,3-dihydro-2,2,6-trimethyl-7-[2-(3-pyridinyl)ethyl]-, hydrochloride (9CI) (CA INDEX NAME)



IT 162963-70-4P 162963-71-5P 162963-72-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of (imidazolylalkyl)benzofurans and analogs as TXA2 synthetase and 5-lipoxygenase inhibitors and oxygen scavengers)
RN 162963-70-4 CAPLUS
CN 4-Benzofuranmethanol, 7-(2-chloroethyl)-α-cyclopentyl-2,3-dihydro-5-hydroxy-2,2,6-trimethyl- (9CI) (CA INDEX NAME)

Karen Cheng